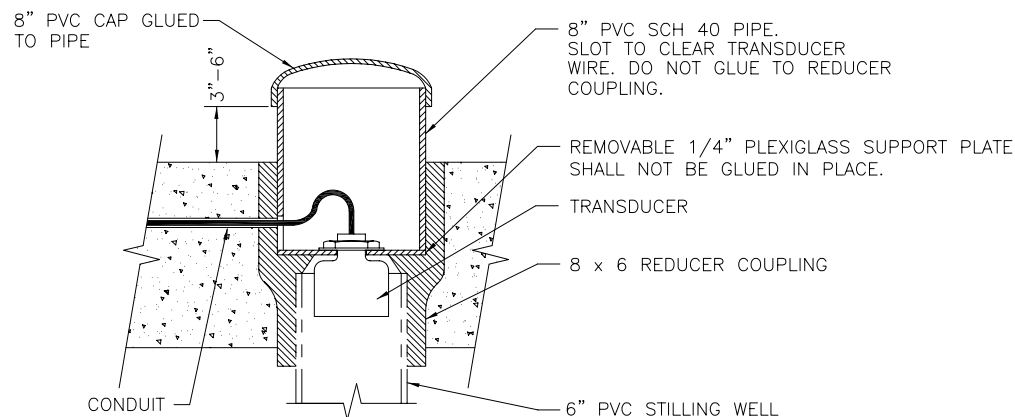


ELECTRICAL DETAIL
SCALE: NONE



TRANSDUCER MOUNTING DETAIL
SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAW)

1. REVIEW DETAILS AND EDIT AS NEEDED TO SUIT PROJECT REQUIREMENTS.
2. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS
 - A. SPEC 02530, EXTERIOR SEWAGE LIFT STATION.
 - B. SPEC 02535, MANHOLES.
 - C. CIVIL DRAWING ST-G30GEN-1, BOLLARD DETAIL.
 - D. CIVIL DRAWING ST-G30GEN-3, TRACER WIRE DETAIL.
3. TRACER WIRE REQUIRED IN ALL PLASTIC, DUCTILE IRON, OR CAST IRON PIPING.
4. PROVIDE BOLLARDS IF VEHICLES ARE LIKELY TO IMPACT LIFT STATION.
5. LOCATE LIFT STATION SO THAT IT IS EASILY ACCESSIBLE FOR MAINTENANCE BY SERVICE VEHICLE.
6. SELECT PUMPS TO OPERATE WITHIN THE CAPACITY RANGE RECOMMENDED BY THE MANUFACTURER.
7. IT IS PREFERRED TO SELECT A PUMP THAT HAS A STEEP SLOPING CURVE.
8. LOCATE LIFT STATION ON SOUTH SIDE OF BUILDING (IF POSSIBLE).
9. LOCATION OF ELECTRICAL CONTROL PANEL AND CONCRETE PAD SHALL BE DETERMINED BY FIELD CONDITIONS. COORDINATE LOCATION WITH THE LANL UTILITY GROUP WASTEWATER REPRESENTATIVE.

DRAWING DEVELOPED FOR ML-3/
ML-4 PROJECTS. FOR ML-1/
ML-2, ADDITIONAL REQUIREMENTS
AND QA REVIEWS ARE REQUIRED.
(REMOVE THIS NOTE WHEN IN-
SERTED INTO A DRAWING PACK-
AGE).

2	8-26-03	U	REVISED NOTE 2 AND ADDED TRANSDUCER DETAIL. DWG NO. WAS ST3710.	RP	EH	MS	EH	TO
1	6-5-02	U	DRAWING REVISED AND TRANSFERRED TO CIVIL CHAPTER. DWG NO. WAS ST6010, CHAPTER 6.	RP	EH	MT	EH	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHCK	SUB	APP

**FACILITY & WASTE OPERATIONS
DESIGN ENGINEERING CONSTRUCTION SERVICES**

ENGINEERING STANDARDS MANUAL		DRAWN	R. PEARSON
		DESIGN	E. HOTH
		CHECKED	M. TRUJILLO
		DATE	6-28-99

BLDG X
SUBMITTED
DISCIPLINE POC: GURINDER GREWAL

TA-X
APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY PO Box 1663
Los Alamos, New Mexico 87545

CLASSIFICATION U
PROJECT ID

REVIEWER LARRY BAYS
DRAWING NO

SHEET **4** OF **4**

DATE
REV

CHAPTER 3 ST-G3020-2